

ENTERED



OIPE

RAW SEQUENCE LISTING

DATE: 09/22/2003

PATENT APPLICATION: US/10/659,207

TIME: 16:56:26

Input Set : N:\Crf3\RULE60\10659207.RAW.txt

Output Set: N:\CRF4\09222003\J659207.raw

1 <110> APPLICANT: CWIRLA, STEVEN E.
2 BALU, PALANI
3 DUFFIN, DAVID J.
4 PIPLANI, SUNILA
5 MERRILL, BARBARA MCEOWEN
6 SCHATZ, PETER JOSEPH
7 <120> TITLE OF INVENTION: COMPOUNDS HAVING AFFINITY FOR THE GRANULOCYTE-COLONY
8 STIMULATING FACTOR RECEPTOR (G-CSFR) AND ASSOCIATED
9 USES
10 <130> FILE REFERENCE: 0300-0014
11 <140> CURRENT APPLICATION NUMBER: 10/659,207
12 <141> CURRENT FILING DATE: 2003-09-09
13 <150> PRIOR APPLICATION NUMBER: US/09/620,091
14 <151> PRIOR FILING DATE: 2000-07-20
15 <160> NUMBER OF SEQ ID NOS: 491
16 <170> SOFTWARE: PatentIn Ver. 2.1
18 <210> SEQ ID NO: 1
19 <211> LENGTH: 10
20 <212> TYPE: PRT
21 <213> ORGANISM: Artificial Sequence
22 <220> FEATURE:
23 <223> OTHER INFORMATION: Description of Artificial Sequence: Formula peptide
24 sequence
W--> 25 <221> NAME/KEY: MOD_RES
26 <222> LOCATION: (2)
27 <223> OTHER INFORMATION: A, N, S, F, D, G, L, T, E, V, P, Q, H, M or K
W--> 28 <221> MOD_RES
29 <222> LOCATION: (3)
30 <223> OTHER INFORMATION: M, G, R, H, D, I, V, A, S, E, N, F, Y, P, C, W or
31 T
W--> 32 <221> MOD_RES
33 <222> LOCATION: (4)
34 <223> OTHER INFORMATION: E, V, W, F, M, A, N, S, L, T, Y, G or P
W--> 35 <221> MOD_RES
36 <222> LOCATION: (5)
37 <223> OTHER INFORMATION: V, I, G, Q, W, M, T, Y, L, P, D, C, E or A
W--> 38 <221> MOD_RES
39 <222> LOCATION: (6)
40 <223> OTHER INFORMATION: M, E, W, L, P, N, I, T, V, F, Y, Q, S, R, W, G, H
41 or D
W--> 42 <221> MOD_RES
43 <222> LOCATION: (7)
44 <223> OTHER INFORMATION: H, A, W, Y, V, F, Q, M, N, E, S, D, P or G

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W--> 45 <221> MOD_RES
46 <222> LOCATION: (8)
47 <223> OTHER INFORMATION: M, F, Y, V, N, L, H, D, S, W, G, Q, C or T

W--> 48 <221> MOD_RES
49 <222> LOCATION: (9)
50 <223> OTHER INFORMATION: C, Y, R, I, K, W, L, E, M, H, A, T, F, D, P, G or Q
51
W--> 52 <400> 1
W--> 53 Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Cys
54 1 5 10
56 <210> SEQ ID NO: 2
57 <211> LENGTH: 9
58 <212> TYPE: PRT
59 <213> ORGANISM: Artificial Sequence
60 <220> FEATURE:
61 <223> OTHER INFORMATION: Description of Artificial Sequence: Formula peptide sequence
62
W--> 63 <221> NAME/KEY: MOD_RES
64 <222> LOCATION: (1)
65 <223> OTHER INFORMATION: S, Q, R, L or Y
W--> 66 <221> MOD_RES
67 <222> LOCATION: (2)
68 <223> OTHER INFORMATION: N, S, T, A or D
W--> 69 <221> MOD_RES
70 <222> LOCATION: (3)
71 <223> OTHER INFORMATION: E, D or N
W--> 72 <221> MOD_RES
73 <222> LOCATION: (9)
74 <223> OTHER INFORMATION: L, V, T, P or H
W--> 75 <400> 2
W--> 76 Xaa Xaa Xaa Ser Gly Trp Val Trp Xaa
77 1 5
79 <210> SEQ ID NO: 3
80 <211> LENGTH: 6
81 <212> TYPE: PRT
82 <213> ORGANISM: Artificial Sequence
83 <220> FEATURE:
84 <223> OTHER INFORMATION: Description of Artificial Sequence: Formula peptide sequence
85
W--> 86 <221> NAME/KEY: MOD_RES
87 <222> LOCATION: (3)
88 <223> OTHER INFORMATION: D, L, S, G, E, A, K or Y
W--> 89 <221> MOD_RES
90 <222> LOCATION: (4)
91 <223> OTHER INFORMATION: W, Y, F, L or V
W--> 92 <221> MOD_RES
93 <222> LOCATION: (5)
94 <223> OTHER INFORMATION: F, G, M or L
W--> 95 <400> 3

RAW SEQUENCE LISTING

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Input Set : N:\Crf3\RULE60\10659207.RAW.txt

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W--> 96 Glu Arg Xaa Xaa Xaa Cys
 1 5
 99 <210> SEQ ID NO: 4
 100 <211> LENGTH: 9
 101 <212> TYPE: PRT
 102 <213> ORGANISM: Artificial Sequence
 103 <220> FEATURE:
 104 <223> OTHER INFORMATION: Description of Artificial Sequence: Formula peptide
 105 sequence

W--> 106 <221> NAME/KEY: MOD_RES
 107 <222> LOCATION: (1)
 108 <223> OTHER INFORMATION: D or E

W--> 109 <221> MOD_RES
 110 <222> LOCATION: (5)
 111 <223> OTHER INFORMATION: A or T

W--> 112 <221> MOD_RES
 113 <222> LOCATION: (6)
 114 <223> OTHER INFORMATION: Y or V

W--> 115 <221> MOD_RES
 116 <222> LOCATION: (8)
 117 <223> OTHER INFORMATION: P or Y

W--> 118 <400> 4

W--> 119 Xaa Met Val Tyr Xaa Xaa Pro Xaa Trp
 1 5
 120 <210> SEQ ID NO: 5
 123 <211> LENGTH: 12
 124 <212> TYPE: PRT
 125 <213> ORGANISM: Artificial Sequence
 126 <220> FEATURE:
 127 <223> OTHER INFORMATION: Description of Artificial Sequence: Formula peptide
 128 sequence

W--> 129 <221> NAME/KEY: MOD_RES
 130 <222> LOCATION: (2)
 131 <223> OTHER INFORMATION: E, G, P, N, R, T, W, S, L, H, A, Q or Y

W--> 132 <221> MOD_RES
 133 <222> LOCATION: (3)
 134 <223> OTHER INFORMATION: S, T, E, A, D, G, W, P, L, N, V, Y, R or M

W--> 135 <221> MOD_RES
 136 <222> LOCATION: (4)
 137 <223> OTHER INFORMATION: R, Y, V, Q, E, T, L, P, S, K, M, A or W

W--> 138 <221> MOD_RES
 139 <222> LOCATION: (5)
 140 <223> OTHER INFORMATION: L, M, G, F, W, R, S, V, P, A, D, C or T

W--> 141 <221> MOD_RES
 142 <222> LOCATION: (6)
 143 <223> OTHER INFORMATION: V, T, A, R, S, L, W, C, I, E, P, H, F, D or Q

W--> 144 <221> MOD_RES
 145 <222> LOCATION: (7)
 146 <223> OTHER INFORMATION: E, Y, G, T, Q, M, S, N, A or P

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Input Set : N:\Crf3\RULE60\10659207.RAW.txt

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W--> 147 <221> MOD_RES
 148 <222> LOCATION: (8)
 149 <223> OTHER INFORMATION: C, V, D, G, L, W, E, V, I, S, M or A

W--> 150 <221> MOD_RES
 151 <222> LOCATION: (9)
 152 <223> OTHER INFORMATION: S, Y, A, W, P, V, L, Q, G, K, F, I, E or D

W--> 153 <221> MOD_RES
 154 <222> LOCATION: (10)
 155 <223> OTHER INFORMATION: R, W, M, D, H, V, G, A, Q, L, S, E or Y

W--> 156 <221> MOD_RES
 157 <222> LOCATION: (11)
 158 <223> OTHER INFORMATION: M, L, I, S, V, P, W, F, T, Y, R or Q

W--> 159 <400> 5

W--> 160 Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Cys
 161 1 5 10

163 <210> SEQ ID NO: 6
 164 <211> LENGTH: 9
 165 <212> TYPE: PRT
 166 <213> ORGANISM: Artificial Sequence
 167 <220> FEATURE:
 168 <223> OTHER INFORMATION: Description of Artificial Sequence: Formula peptide sequence

W--> 170 <221> NAME/KEY: MOD_RES
 171 <222> LOCATION: (1)
 172 <223> OTHER INFORMATION: E, C, Q, V or Y

W--> 173 <221> MOD_RES
 174 <222> LOCATION: (2)
 175 <223> OTHER INFORMATION: E, A, L, M, S, W or Q

W--> 176 <221> MOD_RES
 177 <222> LOCATION: (3)
 178 <223> OTHER INFORMATION: K, R, or T

W--> 179 <221> MOD_RES
 180 <222> LOCATION: (4)
 181 <223> OTHER INFORMATION: L, A or V

W--> 182 <221> MOD_RES
 183 <222> LOCATION: (5)
 184 <223> OTHER INFORMATION: R, A, M, H, E, V, L, G, D, Q or S

W--> 185 <221> MOD_RES
 186 <222> LOCATION: (6)
 187 <223> OTHER INFORMATION: E or V

W--> 188 <221> MOD_RES
 189 <222> LOCATION: (8)
 190 <223> OTHER INFORMATION: A or G

W--> 191 <221> MOD_RES
 192 <222> LOCATION: (9)
 193 <223> OTHER INFORMATION: R, H, G or L

W--> 194 <400> 6

W--> 195 Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa
 196 1 5

RAW SEQUENCE LISTING DATE: 09/22/2003
PATENT APPLICATION: US/10/659,207 TIME: 16:56:26

Input Set : N:\Crf3\RULE60\10659207.RAW.txt
Output Set: N:\CRF4\09222003\J659207.raw

198 <210> SEQ ID NO: 7
199 <211> LENGTH: 10
200 <212> TYPE: PRT
201 <213> ORGANISM: Artificial Sequence
202 <220> FEATURE:
203 <223> OTHER INFORMATION: Description of Artificial Sequence: Formula peptide
204 sequence
W--> 205 <221> NAME/KEY: MOD_RES
206 <222> LOCATION: (1)
207 <223> OTHER INFORMATION: A, E or G
W--> 208 <221> MOD_RES
209 <222> LOCATION: (2)
210 <223> OTHER INFORMATION: E, H or D
W--> 211 <221> MOD_RES
212 <222> LOCATION: (3)
213 <223> OTHER INFORMATION: R or G
W--> 214 <221> MOD_RES
215 <222> LOCATION: (4)
216 <223> OTHER INFORMATION: K, Y, M, N, Q, R, D, I, S or E
W--> 217 <221> MOD_RES
218 <222> LOCATION: (5)
219 <223> OTHER INFORMATION: A, S or P
W--> 220 <221> MOD_RES
221 <222> LOCATION: (7)
222 <223> OTHER INFORMATION: E, D, T, Q, K or A
W--> 223 <221> MOD_RES
224 <222> LOCATION: (8)
225 <223> OTHER INFORMATION: R, W, K, L, S, A or Q
W--> 226 <221> MOD_RES
227 <222> LOCATION: (9)
228 <223> OTHER INFORMATION: R or E
W--> 229 <221> MOD_RES
230 <222> LOCATION: (10)
231 <223> OTHER INFORMATION: W, G or R
W--> 232 <400> 7
W--> 233 Xaa Xaa Xaa Xaa Xaa Glu Xaa Xaa Xaa Xaa
234 1 5 10
236 <210> SEQ ID NO: 8
237 <211> LENGTH: 10
238 <212> TYPE: PRT
239 <213> ORGANISM: Artificial Sequence
240 <220> FEATURE:
241 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
242 peptide
243 <400> SEQUENCE: 8
244 Cys Ala Gly Glu Val Met His Met Cys Cys
245 1 5 10
247 <210> SEQ ID NO: 9
248 <211> LENGTH: 10

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 09/22/2003
PATENT APPLICATION: US/10/659,207 TIME: 16:56:27

Input Set : N:\Crf3\RULE60\10659207.RAW.txt
Output Set: N:\CRF4\09222003\J659207.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 2,3,4,5,6,7,8,9
Seq#:2; Xaa Pos. 1,2,3,9
Seq#:3; Xaa Pos. 3,4,5
Seq#:4; Xaa Pos. 1,5,6,8
Seq#:5; Xaa Pos. 2,3,4,5,6,7,8,9,10,11
Seq#:6; Xaa Pos. 1,2,3,4,5,6,8,9
Seq#:7; Xaa Pos. 1,2,3,4,5,7,8,9,10

VERIFICATION SUMMARY
PATENT APPLICATION: US/10/659,207

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Input Set : N:\Crf3\RULE60\10659207.RAW.txt
Output Set: N:\CRF4\09222003\J659207.raw

L:25 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:28 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:1
L:32 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:1
L:35 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:1
L:38 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:1
L:42 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:1
L:45 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:1
L:48 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:1
L:52 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:1
L:53 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0
L:63 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:66 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:2
L:69 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:2
L:72 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:2
L:75 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:2
L:76 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0
L:86 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:89 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:3
L:92 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:3
L:95 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:3
L:96 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0
L:106 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:109 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:4
L:112 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:4
L:115 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:4
L:118 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:4
L:119 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0
L:129 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:132 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:5
L:135 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:5
L:138 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:5
L:141 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:5
L:144 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:5
L:147 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:5
L:150 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:5
L:153 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:5
L:156 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:5
L:159 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:5
L:160 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0
L:170 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:173 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:6
L:176 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:6
L:179 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:6
L:182 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:6
L:185 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:6
L:188 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:6
L:191 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:6
L:194 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:6

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L:195 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0
L:205 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:208 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:7
L:211 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:7
L:214 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:7
L:217 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:7
L:220 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:7
L:223 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:7
L:226 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:7
L:229 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:7
L:232 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:7
L:233 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:0

STATISTICS SUMMARY
PATENT APPLICATION: US/10/659,207

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Application Serial Number: US/10/659,207

Alpha or Numeric or Xml: Numeric

Application Class:

Application File Date: 09-09-2003

Art Unit: OIPE

Software Application: PatentIN2.1

Total Number of Sequences: 491

Total Nucleotides: 0

Total Amino Acids: 6494

Number of Errors: 0

Number of Warnings: 60

Number of Corrections: 0

MESSAGE SUMMARY

258 W: 46 (Mandatory Feature missing)

281 W: 7 (Numeric Fields not Ordered)

341 W: 7 ((46) "n" or "Xaa" used)